

Appl. No. 10/030,266
Amendment dated December 15, 2005
Reply to Advisory Action of July 29, 2005

AMENDMENTS TO THE CLAIMS:

This list of claims replaces all prior versions and lists of claims.

1-10. (canceled)

11. (currently amended): A solventless polyurethane composition comprising:

- a) at least one polyurethane prepolymer comprising the reaction product of at least one polyol component with at least two at least difunctional different isocyanates; and
 - b) an at least difunctional hardener comprising at least two isocyanate-reactive functional groups per molecule,
- wherein the ratio of isocyanate groups in the prepolymer to isocyanate-reactive functional groups is about ~~1:1~~ 0.75:1 to about 1.15:1.

12. (canceled)

13. (previously presented): The composition of claim 11, wherein the at least two difunctional different isocyanates comprise TDI and MDI.

14. (previously presented): The composition of claim 11, wherein the polyol component has a functionality of 2.0 to 2.3.

15. (previously presented): The composition of claim 11, wherein the polyol component comprises at least one polyester and at least one polyether.

16. (previously presented): The composition of claim 15,

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wherein the polyol component comprises at least one polyester, at least one difunctional polyether, and at least one trifunctional polyether.

17. (previously presented): The composition of claim 11, wherein the polyurethane prepolymer has an NCO group content of 2% to 8% by weight.

18. (currently amended): A solventless process for the production of a polyurethane composition, comprising the steps of forming at least one polyurethane prepolymer by reacting at least one polyol component with at least two at least difunctional different isocyanates, and reacting the polyurethane prepolymer with an at least difunctional hardener comprising at least two isocyanate-reactive functional groups per molecule, wherein the ratio of isocyanate groups in the prepolymer to isocyanate-reactive functional groups is about ~~1:1~~ 0.75:1 to about 1.15:1.

19. (previously presented): The method of adhering two or more substrates comprising the steps of applying an adhesive-effective amount of the polyurethane composition of claim 11 to at least one of the substrates and contacting that substrate with at least one other substrate to form a contact adhesive bond between the substrates.

20. (previously presented): A resealable pack comprising the polyurethane composition of claim 11.

21. (new): The composition of claim 11, wherein the ratio of isocyanate groups to isocyanate-reactive functional groups is about 1:1 to about 1.15:1.